

**Cubic Yardage Discharged:**

Total linear impact and cubic yardage of fill material to be placed below the OHWM for The Preferred Alternative is 7161 lineal feet and 23,870 cubic yards.

***MINIMAL DEGRADATION ALTERNATIVE***

**Description of Construction Work, Fill or other Structures:**

The Minimal Degradation Alternative is to backfill coarse coal refuse in the surface mine pits permitted for this site under ODNR Permit D-1159. This method is acceptable to ODNR specific to meeting permitting requirements. This technique is commonly applied throughout the coal fields.

This method would keep valley bottoms untouched. The trade-off is volume. This alternative offers 1.8 million cubic yards of capacity compared to 14.3 million cubic yards in the preferred alternative. The site life under this alternative is approximately one year. A long-term solution is not provided by the Minimal Degradation Alternative.

The disposal area would be reclaimed with a clay cap; soil cover and revegetated to meet ODNR, DMR reclamation requirements, as specified in the Preferred Alternative.

**Substances Discharged:**

There will be no fill materials placed below the ordinary highwater mark (OHWM) in the tributary.

**Cubic Yardage Discharged:**

There is no linear impact or cubic yardage of fill material to be placed below the OHWM for the Minimal Degradation Alternative.

***NON-DEGRADATION ALTERNATIVE***

**Description of Construction Work, Fill or other Structures:**

This Alternative entails the shipment of coarse coal waste to an off-site solid waste disposal facility. To dispose of 1.8 million cubic yards of coarse coal refuse annually it will require 98,000 truck loads at 25 tons a load. The closest facility permitted large enough to handle this volume is the Harrison County Solid Waste Disposal Facility. This facility is approximately 55 miles north of the wash plant, west of Cadiz, Ohio on State Route 250. No additional construction would be required as a result of this alternative.

**Substances Discharged:**

No fill or dredge materials will be discharged to the unnamed tributary and its forks.

**Cubic Yardage Discharged:**

The Minimal Degradation Alternative has no linear impact and cubic yardage of fill material to be placed below the OHWM.